

Panasonic

RAK-P001

**How to Use the
Remote Control
Transmitter**

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NOTE

Important note for new owners.

This universal remote is dedicated to your Panasonic receiver. It is also pre-programmed to control the most recent Panasonic TV, VCR, DVD and DSS models. If you have non-Panasonic equipment or older Panasonic models, you will need to program the remote once you install the batteries.

To program the remote, you will need to find the four-digit code number for your device in the Code Book (section #2). There probably is more than one code listed since manufacturers make more than one remote. However, one of these codes will more than likely work your component.

It is important to know that the first code listed isn't necessarily the one that works your component. You may need to try more than one manufacturer code. Keep entering the codes in the remote following the instructions (found on the next few pages).

The remote should work exactly as your original remote did. Enjoy!

If you have any problems please call a customer service representative at customer service toll free at **1-888-400-PANA.**

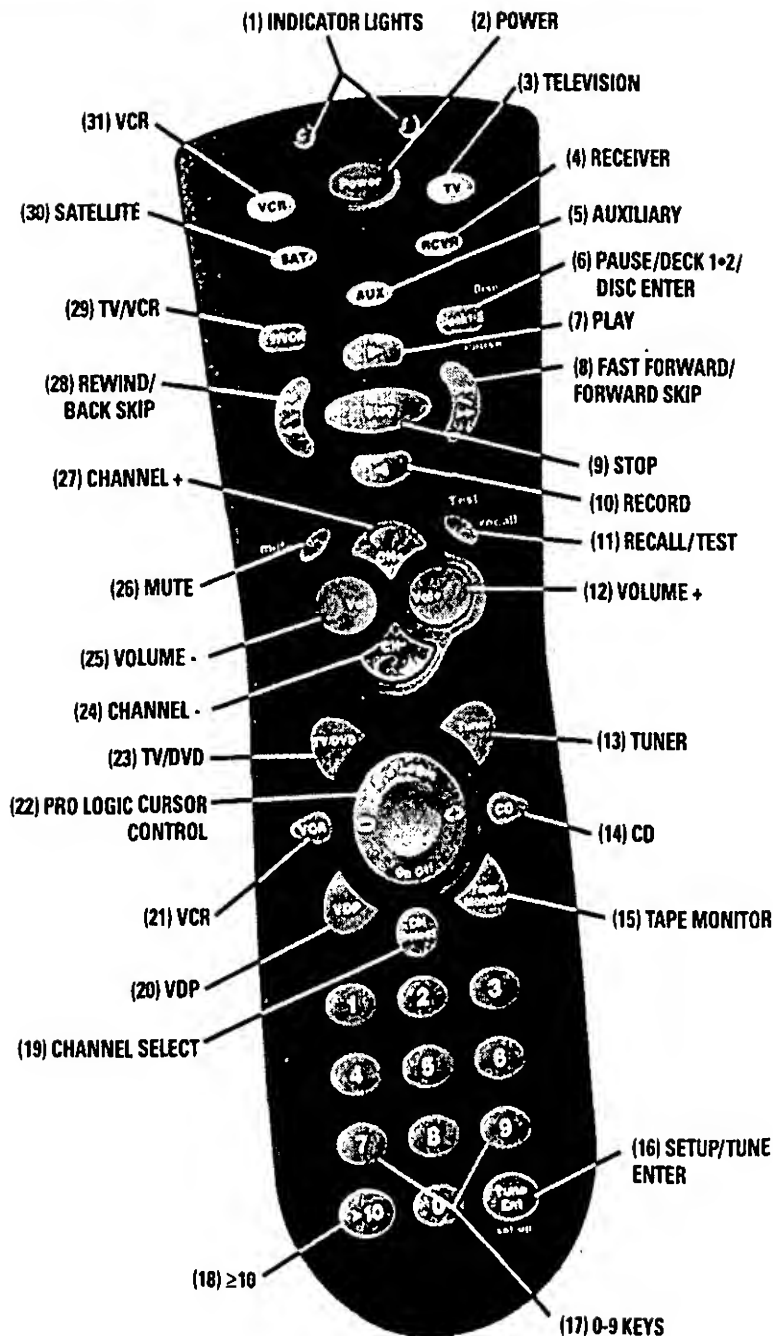
1. On the back of the remote, **push the lever on the battery cover forward and lift.**
2. **Install 4 "AAA" alkaline batteries**, making sure the + and - marks match the diagram inside.
3. **Replace the battery cover.**
4. **Test batteries** by pressing the "Power" key. *Make sure that your Panasonic receiver turns on.* (Improperly installed batteries may cause acid leakage and/or damage to your unit.)

NOTE:

If you replace dead batteries or take them out, you have 25 minutes in which to replace them. If you wait longer than 25 minutes, the codes which you have programmed into the remote control may need to be reprogrammed.

This unit will operate up to 5 components: "TV", "VCR", "SAT" (Satellite), "RCVR" (Audio Receiver), and AUX (Auxiliary).

AUX = DVD, Cable, or an additional TV, VCR, or Cable.



- 1. Indicator lights:** These lights will turn on or blink depending on the function that the remote control is performing. The instructions on the following pages in this manual will explain what the indicator lights should do depending on what function you are trying to perform.
- 2. Power key:** Press this key to turn a component on or off.
- 3. Television mode key:** Press this key to control your TV features.
- 4. Receiver mode key:** Press this key to control your audio receiver features.
- 5. Auxillary mode key:** Press this key to control your auxillary component. (AUX=DVD,Cable, or an additional TV, VCR. or Satellite)
- 6. Pause/Deck 1•2/Disc Enter key:** If VCR has been selected, press this key to pause recording or playback of a videotape. Press again to resume recording or playback. If tape input has been selected, press this key to choose between Tape Deck 1 and 2. If CD input has been selected, press this key and select disc by entering digits.
- 7. Play key:** Press this key to start or resume playback of a videotape.
- 8. Fast Forward/Forward Skip key:** Press this key to fast forward a videotape.
- 9. Stop key:** Press this key to stop playback, recording, rewinding or fast forwarding of a videotape.
- 10. Record key:** Press this key to start recording a program.
- 11. Test/Recall key:** In Receiver (RCVR) mode, press this key to output a test signal. In other modes, press this key to switch to the last channel that you were viewing.
- 12. Volume (+) key:** Press this key to increase the volume.
- 13. Tuner key:** Press this key to select the tuner input on your receiver.
- 14. CD key:** Press this key to select the CD input on your receiver.
- 15. Tape Monitor key:** Press this key to select the tape input on your receiver.

- 16. Setup/Tune Enter key:** Setup is a multi-functional key. (See following pages for its uses.) Press the Tune Enter key to select radio stations by frequency.
 - 17. 0-9 keys:** Press these keys for numerals.
 - 18. ≥ 10 key:** Press this key to access CD tracks or tuner presets greater than or equal to 10.
 - 19. Channel Select key:** Press this key to select between center and surround channels.
 - 20. VDP key:** In the future, this key will have a function.
 - 21. VCR key:** Press this key to select the VCR input on your receiver.
 - 22. Pro Logic cursor control:** Use this cursor to control the Pro Logic functions on your receiver.
 - 23. TV/DVD key:** Press this key to select the TV or DVD input on your receiver.
 - 24. Channel (-) key:** Press this key to go down a channel.
 - 25. Volume (-) key:** Press this key to decrease the volume.
 - 26. Mute key:** Press this key to turn off the sound.
 - 27. Channel (+) key:** Press this key to go up a channel.
 - 28. Rewind/Back Skip key:** Press this key to rewind a videotape.
 - 29. TV/VCR key:** Press this key to switch from TV to VCR or from VCR to TV.
 - 30. Satellite mode key:** Press this key to control your satellite features.
 - 31. VCR mode key:** Press this key to control your VCR features.
- Note:** While in one component mode, the remote will allow you to use some features of your other components without changing component modes. See "RECEIVER-PLAY CLUSTER PUNCH THRU" (page 9)

**TV/VCR/SATELLITE/AUX SET-UP:**

1. Make sure that the component (TV, VCR, Satellite, or AUX) which you want to set up has been turned on.

AUX = DVD, Cable, or an additional TV, VCR, or Cable.

In the codebook (section #2), **find the 4-digit code numbers** for your component brand.



2. Press the key of the component that you want to set up. (TV, VCR, SAT, AUX)



3. Press the "set up" key. Both the green and red lights should be on.



4. Press the key of the component that you want to set up. (TV, VCR, SAT, AUX) Only the red light should be on.



5. Within thirty seconds, **enter in a 4-digit code number.** The component lights will blink with an upward motion when a code has been successfully entered. In this case, proceed to step 6. If the code has not been successfully entered, the red light will blink alone. In this case, return to step 1 and start over.



6. **Test code by pressing "Power" key.** If the component turns off, you've got the right code. Follow the same instructions to set up your other components. If the component doesn't turn off, return to step 2 and use the next 4-digit code listed.

CHANGING COMPONENT MODES

After the remote has been programmed for multiple components, you must set the remote into the mode of the component you wish to control by pressing the corresponding component key. For example, if you turned on your TV and now would like to turn on your VCR, you must press the "VCR" key to put the remote into the VCR mode before you press "Power."



- 1. Press the key of the component that you want to control.** (TV, VCR, SAT, RCVR, or AUX) *If you were successful in changing modes, the green light will blink and the component key will light up. The red light will blink if there is nothing programmed for that component key.*
- 2. Now you are in control of that particular component.**

When your remote is in RCVR mode, you will have the ability to control some features of another component without changing component modes. This is called Punch Thru. When you press any of the Play Cluster keys (**PLAY, FFWD, REW, STOP, PAUSE, TV/VCR, REC**) or the Channel Keys (**CH+, CH-**), your remote will control some features of another component depending on which input was selected on the receiver. For example:

- If the **VCR** input select on the remote is pressed, the Play Cluster keys and Channel keys will function as VCR keys.
- If the **TV/DVD** input select on the remote is pressed, the Channel keys will function as TV keys.
- If the **CD** input select on the remote is pressed, the Play Cluster keys, the number keys (0-9), and the Tune/Enter key will function as Panasonic/Technics CD keys.
- If the **Tape Monitor** input select on the remote is pressed, the Play Cluster keys will function as Technics Tape keys.
- If the **Tuner** input select on the remote is pressed, the number keys (0-9) and the Tune/Enter key will function as Panasonic Receiver/Tuner keys.

SLEEP/TIMER FUNCTION

Your remote is equipped and programmed with a SLEEP/TIMER function, separate from your TV or for a TV not equipped with SLEEP/TIMER.



1. Press "TV" key.



2. Press "set up" key. Both the red and the green lights should be on.



3. Press "TV" key. Only the red light should be on.



4. Press "Power" key.



5. Press numerical keys 01-99 for the desired number of minutes. Both the red and the green lights will blink.

(Example: 01=1 minute; 99=99 minutes)

6. Point the remote at your TV, and leave in that position. When the programmed number of minutes has elapsed, the remote will turn off your TV.**

NOTE: The remote can be used to control all functions and devices while in SLEEP/TIMER mode. To cancel SLEEP/TIMER mode, repeat steps 1-3. Enter the number 00 with the numerical keys to cancel the SLEEP/TIMER mode.

****You must have your remote pointed at your TV for SLEEP/TIMER mode to work properly.**

MULTIPLE DEVICES

While in one mode, the remote allows you to use some features of your other components. The following chart lists which functions crossover to other components.

CURRENT MODE	OTHER MODE	CROSSOVER FUNCTIONS
VCR, SAT CBL	TV	Volume Up/Down, Mute
TV, SAT AUX	VCR	Play, Pause, Stop Fast Forward, Rewind, Record, TV/VCR

VOLUME PRIORITY PUNCH THROUGH

When you press the Volume keys on the remote, they will control the component that is currently in use. However, you can change the volume priority to control the volume keys of one component regardless of what component mode is in use. For example, if you have a home theater system and want the volume keys to control your receiver only, you can set your volume priority to RECEIVER.



1. Press the "TV" key.



2. Press the "set up" key. *Both the green and red lights should be on.*



3. Press the key of the component you wish to set up volume priority. (TV, VCR, SAT, RCVR, or AUX) *Only the red light should be on.*



4. Press the "Vol +" key.

To disable the volume priority you have set and return to the default:



1. Press the "TV" key.



2. Press the "set up" key. *Both the green and red lights should be on.*



3. Press any one of the component keys. (TV, VCR, SAT, RCVR, or AUX) *Only the red light should be on.*



4. Press the "Vol -" key. The volume priority will now default to the TV volume.

Battery Installation:

- Thoroughly clean the battery compartment before inserting new batteries.
- Do not mix old and new batteries, or batteries of different types (carbon and alkaline, etc.)
- Do not use rechargeable type batteries.
- Do not attempt to recharge alkaline or carbon batteries.
- Always remove old, weak or worn-out batteries promptly and dispose of them properly.
- Never subject batteries to excessive heat or flame; do not attempt to dissolve them; and be sure they are not short-circuited.
- If the leaking electrolyte comes into contact with skin or clothes, flush with water immediately.

Battery Life:

Battery life is about one year.

The batteries should be replaced if the system fails to respond to commands from the remote control transmitter even when held close to the remote control signal sensor.

When you need to replace these batteries use four LR03, AAA size, AM4.

Method for Use:

Note: Be sure the transmission window and the signal sensor are free from dust. Excessive dust might effect performance.

The operation may not be correct if direct sunlight or another strong light source strikes the signal sensor of this unit. If there is a problem, place the unit away from the light source.

Problem:

- No power in remote (no light).
- The component lights do not blink with an upward motion after the code was entered.
- Code enters into remote, but the component does not respond.
- None of the codes work the component.

Solution:

Check battery installation and battery freshness. Press "set up" to see if the red and green lights both come on.

Enter the code within thirty seconds after you press "set up". Try the code again or the next code on the list.

Try the next code on the list. One of the codes should work your component.

After trying all the codes, call customer service at:
1-888-400-PANA

HELPFUL HINTS

- Enter only one four-digit code at a time.
- The first code listed isn't always the one for your component. Some work better than others, therefore try them all.
- Enter the code within thirty seconds after pressing "set up".
- The most often used code for each brand is listed first.
- If you replace the batteries within 25 minutes after they have been taken out, the codes which you have programmed will be retained.
- **If you have any problems or questions, call customer service at 1-888-400-PANA.**

NOTES

Panasonic

Panasonic

- TV codes: 17-20
- VCR/DVD codes: 21-23
- CABLE codes: 24-25
- SATELLITE codes: 26

TV

A Mark
 4100
Action
 4013
Admiral
 4132 4052 4053 4077 4085 4084
Advent
 4159
Akal
 4075 4066 4009 4000
Anam
 4011
Anam National
 4017
AOC
 4024 4000 4006 4042 4100 4122
 4129
Audiovox
 4013
Baycraft—Also see Baycrest
 4060 4059 4042 4084
Bell & Howell
 4053 4132 4052 4085
Broksonic
 4053 4067 4113 4000 4002 4011
 4114
Candle—Also see Citizen
 4086 4053 4069 4059 4129 4100
 4101 4148 4000 4011 4024 4042
 4051 4058 4114 4116
Citek
 4149
Citizen—Also see Candle
 4086 4114 4148
Classic
 4066 4000
Colortyme
 4053 4069 4044 4077 4115 4009
 4018 4096 4097 4105 4090
Concherto
 4053
Contec Cony
 4013 4011 4109 4046 4073

TV

Craig
 4069 4013 4114 4011 4035 4056
 4059
Crosley
 4053
Crown
 4059 4100
Curtis
 4000 4090 4123
Curtis Mathes
 4133 4053 4132 4069 4077 4070
 4009 4024 4042 4100 4101
CXC
 4013 4011
Daewoo—Also see Funai / Goldstar /
 Magnasonic / Nikko
 4142 4086 4130 4129 4024 4017
 4100 4150 4000 4042 4090 4101
 4123
Daytron
 4100 4035 4042 4123 4129
Denon
 4152
Electrohome
 4075 4099 4100 4000 4003 4009
 4042 4062
Emerson
 4054 4069 4013 4012 4153 4043
 4085 4084 4011 4000 4083 4071
 4154 4004 4038 4155 4100 4003
 4009 4016 4035 4042 4046 4056
 4058 4059 4072 4073 4109 4113
 4115 4150 4024 4009
Fisher—Also see LXI / Sanyo / Sears
 4093 4066 4068 4039 4047 4107
 4088
Fortress—Also see Daewoo / Goldstar /
 Magnasonic / Nikko
 4009
Funai
 4013 4029 4011 4058 4158
Futuretech
 4011

TV

Garrard

4158

GE

4133 4069 4076 4134 4063 4077
 4080 4025 4017 4027 4040 4000
 4006 4008 4011 4019 4026 4028
 4042 4100 4124 4150

Goldstar—Also see Daewoo / Funai /**Magnasonic / Nikko**

4052 4014 4134 4106 4122 4000
 4024 4121 4009 4042 4100 4112
 4051 4101 4105

Gradiente

4065

Granada

4060 4100 4105

Grundig

4076 4043 4139 4057 4079 4100

Hallmark

4000

Harley Davidson—Also see RCA

4077

Harman Kardon

4000

Hitachi

4152 4118 4060 4076 4077 4100
 4119 4129 4072 4099 4010 4031
 4033 4036 4042 4085

Infinity

4105

Inteq—Also see Zenith

4052 4050

JBL

4105

JC Penney

4069 4076 4077 4028 4024 4025
 4000 4006 4106 4107 4055 4100
 4121

Jensen—Also see NEC

4009 4083

JVC

4086 4074 4069 4076 4048

Kawasho

4066 4024 4109 4098

TV

Kenwood

4009 4115 4000 4024 4040 4078
 4096

Kloss Novabeam

4017 4125

KMC

4100

KTV

4143 4013 4109 4016 4100 4011
 4024 4042

Lloyds

4115 4099 4112

Logik

4052 4132 4138 4137

LXI—Also see Fisher / Sanyo / Sears

4133 4053 4077 4000 4106 4158
 4028

Magnasonic—Also see Daewoo / Funai / Goldstar / Nikko

4085 4000 4009 4058 4129

Magnavox

4053 4086 4076 4043 4125 4090
 4009 4105 4082 4085 4000 4015
 4042 4116 4003 4021 4024 4035
 4049 4058 4059 4103 4104 4108
 4110

Marantz

4053 4043 4009 4024 4040 4042
 4105 4106

Matsushita—Also see Panasonic

4091

Megatron—Also see Hitachi

4060

Memorex

4132 4000 4001 4034 4062 4088
 4099 4106 4156

MGA—Also see Mitsubishi

4075 4132 4062 4009

Mitsubishi—Also see MGA

4075 4151 4062 4099 4000 4127
 4009 4005 4024 4001 4036 4042
 4091 4100 4105 4111 4117

MTC

4053 4069 4024 4129 4000 4018
 4088 4109 4125

TV

Multivision

4143 4081

NAD

4034

NEC

4043 4042 4009 4096 4115 4024

4040 4097

Nikko—Also see Daewoo / Funai /

Goldstar / Magnasonic

4129

Nishi

4069

Nyon

4028 4000

Onwa

4011

Optimus—Also see Radio Shack /

Realistic

4126

Orlon

4153 4084

Panasonic—Also see Matsushita

4142 4118 4076 4013 4070 4077

4080 4043 4017 4117 4027 4030

4056 4055 4025 4057 4092 4129

4140 4148 4158

Philco

4053 4086 4043 4090 4085 4009

4015 4059 4125 4000 4003 4021

4024 4035 4042 4058 4082 4103

4104 4105 4108 4110 4129

Phillips

4053 4086 4105

Pioneer

4023 4043 4126 4120 4017 4040

4042

Portland

4100 4101 4000 4024 4042 4123

Prima

4101 4138 4043

Proscan—Also see RCA

4133 4134 4077

Proton

4077 4000 4100 4009 4114 4007

4018 4033 4042 4059 4095 4106

TV

Pulsar

4129 4000 4018 4042 4106 4112

4113

Quasar

4142 4118 4076 4080 4043 4017

4030 4117 4035 4055 4057 4092

4119

Radio Shack—Also see Optimus /

Realistic

4053 4013 4077 4068 4061 4011

4034 4017 4020 4032 4087 4099

4100 4141

RCA—Also see Proscan

4133 4023 4069 4134 4063 4077

4080 4028 4006 4017 4092 4011

4025 4026 4027 4040 4042 4100

4124

Remocon

4101

Rent-Co

4090

Runco

4132 4148

Sampo

4118 4017 4024 4042

Samsung

4069 4074 4157 4024 4100 4000

4042 4085 4102

Sansui

4061

Sanyo—Also see Fisher / LXI / Sears

4068 4039 4088 4022 4047 4107

Scott

4054 4013 4100 4011 4042 4058

4082 4084

Sears—Also see Fisher / LXI / Sanyo

4093 4133 4053 4060 4077

4068 4039 4028 4047 4000 4107

4011 4022 4045 4016 4088 4100

Sharp

4135 4041 4061 4087 4128 4020

4033 4090 4116 4100 4047 4085

4089 4094 4099 4115 4122

Signature 2000

4132 4087 4039

TV

Silver

4000 4009

Simpson

4000 4009

Sony

4064 4066 4041 4144 4098 4100

Soundesign4059 4000 4003 4011 4042 4072
4083**SSS**

4009 4011 4024

Sylvania

4053 4086 4043 4090 4104 4009

4108 4015 4110 4059 4125 4021

4082 4000 4003 4024 4035 4042

4045 4058 4103 4105 4116 4129

Symphonic

4012 4013 4029 4158 4058

Tandy

4053

Tatung

4017 4037 4114

Technics—Also see Panasonic

4118 4076 4080 4043 4117 4145

4057 4092

Techwood

4053 4009

Teknika

4132 4013 4059 4011 4024 4149

4040 4042 4100 4112 4129

Telefunken

4115

TMK

4009 4000 4115

Toshiba

4093 4086 4069 4107 4111 4039

4106 4131

Totevision

4077

Ultra

4129

Video Concepts

4091 4011

TV

Videokron

4136 4147 4146 4053 4136

Vidtech

4024

Viewmax

4101

Wards

4132 4086 4050 4053 4069 4077

4061 4025 4000 4024 4085 4090

4042 4104 4020 4026 4058 4059

4106

XR 1000

4132 4158

Yamaha

4043 4024 4059 4115 4129

Zenith

4052 4050 4132 4044 4014 4129

4158

VCR/DVD

Action

6103

Admiral

6101

Alwa

6028

Akal

6025 6011 6016 6049 6059

Beaumont

6010

Bell & Howell

6058

Broksonic

6054 6075 6124 6066 6117 6004

6093 6095 6123

Candle—Also see Citizen

6043 6103 6014 6027 6028 6040

6004 6010 6023 6024 6056 6072

Canon

6027 6109

Capehart

6024 6104

Citizen—Also see Candle

6014 6027 6028 6040 6072

Colortyme

6081 6096 6027 6080

Craig

6031 6043 6108 6120

Criterion

6031

Curtis Mathes

6027 6014 6081 6109 6040 6006

6010 6023 6028 6051 6082 6094

Daewoo—Also see Funai / Goldstar /

Magnasonic / Nikko

6005 6103 6014 6104 6024 6023

6099

Daytron

6103 6024 6104

Denon

6038

Dynatech

6014 6065

Electrohome

6067 6013 6043 6122 6004 6053

VCR/DVD

Emerson

6075 6054 6007 6043 6124 6013

6014 6066 6081 6088 6018 6095

6125 6023 6028 6037 6071 6078

6097 6004 6053 6055 6058 6117

6123 6126

Fisher—Also see LXI / Sanyo / Sears

6069 6014 6108 6062 6015 6039

6058 6065

Funai—Also see Daewoo / Goldstar /

Magnasonic / Nikko

6057 6028 6072

Garrard

6028

GE

6019 6081 6027 6068 6040 6010

6082 6092 6097

Genexxa

6028

Go Video

6019 6020 6031 6032 6116 6118

6010

Goldstar—Also see Daewoo / Funai /

Magnasonic / Nikko

6048 6043 6007 6128 6008 6010

6041 6056

Gradiente

6035

Granada

6013 6004 6053

Hitachi

6012 6038 6063 6119 6028 6040

6092 6065 6113

Homeline

6043

JBL

6086

JC Penney

6038 6031 6043 6027 6010 6070

Jensen

6050 6052

JVC

6035 6012 6047 6038 6096 6074

6050 6078 6003 6026 6058 6097

VCR/DVD

Kenwood

6069 6006 6050 6058 6094

Lloyds

6028 6094 6057 6072 6108

Logik

6031 6079

LXI—Also see Sears / Sanyo / Fisher

6057 6028

Magnasonic—Also see Daewoo / Funai / Goldstar / Nikko

6031 6043 6103

Magnavox

6035 6017 6031 6027 6068 6014

6096 6109 6004 6082 6028 6033

6055 6071 6074

Magnin—Also see MGN

6010

Marantz

6017 6004 6045 6056 6082 6094

Marta

6043

Matsui

6028

Matsushita—Also see Panasonic

6027

MEI

6065

Memorex

6085 6048 6038 6043 6046 6108

6000 6022 6058

MGA—Also see Mitsubishi

6013

MGN—Also see Magnin

6010

Midland

6072

Minolta

6038

Mitsubishi—Also see MGA

6067 6127 6013 6122 6043 6034

6053 6112 6083 6090

MTC

6031 6028 6057

VCR/DVD

Multitech

6028 6057

NEC

6048 6007 6091 6096 6094 6056

6028 6045 6006 6050 6051 6065

6074 6078

Optimus—Also see Radio Shack /

Realistic

6061 6043 6128 6121

Panasonic—Also see Matsushita

6129 6043 6031 6027 6068 6109

6096 6107 6014 6081 6082 6071

6073 6108 6110 6130

Pentax

6038 6094

Philco

6017 6027 6068 6004 6028 6033

6057 6082

Phillips

6014 6027 6068 6004 6033 6082

Pioneer

6106 6009 6033 6121

Portland

6024 6104

Pro Max

6128

Proscan—Also see RCA

6105 6081 6107

Proton

6031

Pulsar

6128 6027 6103 6010 6072 6028

6098

Quasar—Also see Technics

6043 6129 6068 6027 6109 6081

6082 6115

Radio Shack—Also see Optimus /

Realistic

6043

RCA—Also see Proscan

6038 6089 6105 6013 6069 6131

6081 6107 6068 6027 6096 6040

6073 6092 6010 6003 6009 6074

6076 6077 6099

VCR/DVD

Realistic—Also see Optimus / Radio**Shack**

6085 6061 6043 6027 6108 6028
6030 6002 6010 6053 6062 6082

Samsung

6128 6010 6040 6072 6028 6073

Sansui

6031 6074 6095

Sanyo—Also see Fisher / Sears

6085 6069 6108 6058 6015 6039
6062

Scott

6043 6054 6075 6014 6018 6071

Sears—Also see Fisher / Sanyo

6085 6038 6043 6069 6027 6014
6039 6028 6015 6058 6062 6108
6045 6074 6083 6102

Sharp

6061 6046 6101 6030 6002 6051
6053 6076

Shintom

6031

Signature 2000

6085 6101

Singer

6031

Sony

6086 6087 6029 6021 6016 6065
6084 6113 6044 6064 6098 6050

Sylvania

6027 6109 6028 6004 6057 6082
6033 6071

Symphonic

6028 6057 6050 6108 6002 6045
6072

Tatung

6050 6074

Teac

6028

Technics

6027 6096 6110 6111

Teknika—Also see Panasonic

6043 6027 6028 6076

VCR/DVD

Thomas

6028

TMK

6023

Toshiba

6013 6014 6103 6100 6114 6015
6036 6060 6084 6108

Totevision

6043 6109

Ultra

6104

Unitec

6072 6073

Vector Research

6094

Video Concepts

6083 6094

Wards

6061 6043 6014 6046 6028 6030
6002 6004 6010 6053 6108

XR 1000

6031 6028

Yamaha

6050 6094

Zenith

6048 6047 6025 6043 6040 6059
6057

CABLE

ABC

2013	2016	2018	2053	2010	2011
2030	2031	2034	2038	2048	

AIM

2047

Archer

2049 2034 2060

Belcor

2060

BRX

2046

Cableview

2043

Century

2034

Citizen

2049 2027 2034

Citizen

2047

Contec

2005	2015	2021	2028	2053	2041
2012	2014	2038	2042		

CPI

2040

Diamond

2041

Eagle

2031

Eastern

2006

GC Electronics

2049 2058 2019 2027 2034 2052

Gemini

2047	2039	2043
2076		

General Instruments

2050 2016 2028 2070 2022 2048

Hamlin

2041 2073 2017

Hitachi

2046 2048

Jasco

2049

CABLE

Jerrold

2009	2016	2028	2050	2040	2015
2048	2045	2031	2022	2023	2057
2059					

JVC

2009

Magnavox

2002 2048

Memorex

2020 2031 2034 2038 2075

Micro Com

2078

Monarch

2027

Movie Time

2013 2033 2027 2034

Northcoast

2036

NSC

2013	2004	2012	2033	2034	Oak
2012	2038	2025	2041	2079	

Panasonic

2020 2005 2014 2037

Paragon

2020 2031 2034

Philips

2054	2056	2072	2044	2001	2024
2031	2034	2055	2061		

Pioneer

2030 2037

Proscan

2068

Pulsar

2027 2049

Radio Shack

2034 2049 2060

RCA

2068

Recoton

2069

Regal

2041

Regency

2042



CABLE

Rembrant

2012

Samsung

2027 2030

Scientific Atlanta

2066 2053 2021 2077 2010 2080

Sears

2046

Signal

2027

Signature 2000

2048

Sony

2003

Sprucer

2014 2036

Starcom

2016 2018 2050 2048 2032 2047

2023 2026 2044 2070 2071 2075

Stargate

2047 2027

Sylvania

2029 2046 2065

Telecaption

2067

TeleView

2027

Texscan

2062 2029 2065

Tocom

2013 2000 2011 2033 2010 2012

2014

U. S. Electronics

2053 2018 2048

Unika

2034

United Cable

2016

Universal

2069 2051 2071 2034 2049 2060

Viewstar

2064 2031 2035 2055 2063 2010

Wards

2048

CABLE

Warner

2030

Wave Master

2008

Zenith

2020 2036 2074

SATELLITE

Alphastar

3064 3028

Birdview

3026

Chaparral

3043 3019

CI Satellite

3025

Datron

3056

DISH Network

3061

Drake

3053 3047 3044 3037 3035 3031

3023 3001

DX Communications

3045 3033

Echostar—Also see Legend

3049 3048 3040 3032 3020

Equus

3038

Fujitsu

3011

GE

3051

General Instruments

3046 3015 3008 3006 3004

Hitachi

3059 3018

HTS

3041

Hughes

3058 3024 3018

Intersat

3042

Janell

3011

Kenwood

3013

Legend—Also see Echostar

3020

M/A Com

3015 3008 3002 3001

SATELLITE

ORB

3027

Panasonic

3062 3000

Pansat

3052 3022

Primestar

3033

Proscan

3051

Quick Draw

3045

Radio Shack

3014 3006 3004

RCA

3051

Realistic

3014

Rural Cable

3004

Samsung

3064

Sony

3056

Star Trak

3055 3054 3010 3009

STS

3007

SuperGuide

3029 3017

Tee-Com

3057

Toshiba

3060 3015 3001

Uniden

3063 3039 3036 3034 3030 3021

3017 3016 3014 3012 3005 3003

Video Pall

3011

Viewstar

3050

Zenith

3011

Panasonic

Panasonic Consumer Electronics
Company, Division of Matsushita
Electronic Corporation of America
One Panasonic Way Secaucus,
New Jersey 07094

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